

Work Order ID 65931

Thursday, January 27, 2011 1:06:19 PM



Page 1

Item ID: D350-607-445

Accept



Setup Start



Revision ID:

Item Name: Heli-Utility-Basket

Stop



Start Date: 1/28/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 2/14/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: MF Date: 11-01-27 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D350-607-2	C

100	DOCUMENT CONTROL	0.00							
DC	Memo	0.00							
Document Control	Photocopy bluefile & type labels per PPPD350-607-445 CHG002								

ml 11-02-08 ~~Pro~~ →
*J for CL 11-02-07

110	Pick Kit	0.00							
Packaging	Memo	0.00							
Packaging									

11/2/8 (1)

120	QC4- 100% Inspect kits for completeness	0.00							
QC	Memo	0.00							
Quality Control									

ml 11-02-08 1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D350-607-445 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR: <u>65931</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
<u>11/02/08</u>	<u>#110</u>	<u>Missing DS1 9535-013</u> <u>Per baskets @ Chicago</u> <u>or higher</u> <u>R.C. w/o + Bom to not</u> <u>correctly updated</u>	<u>11/02/08</u>	<u>ADD DS1 9535-013</u> <u>B</u> <u>to kit</u>	<u>[Signature]</u> <u>11/02/08</u>		<u>[Signature]</u> <u>11/02/08</u>	<u>S</u> <u>11/02/08</u>
				<u>- update w/o + Bom</u> <u>to current correction</u> <u>ADD copy of updated</u> <u>Bom for Ref.</u>				<u>S</u> <u>11/02/08</u>

NOTE: Date & initial all entries

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Item ID: D350-607-445

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Revision ID:

Item Name: Heli-Utility-Basket

Stop



Start Date: 1/28/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 2/14/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

Package as per PPPD350-607-445

Reva

nhksp

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/02/10

cmf

11-02-09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 65931

Parent Item: D350-607-445

Parent Item Name: Heli-Utility-Basket

Start Date: 1/28/2011

Required Date: 2/14/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 10-04-15 JLM VERIFIED BY:DD IPP Rev:B
as per ecn 10-552 DD 10.04.19 verified by:EC IPP Rev:C as per ecn
10-596 DD 10.08.26 verf by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4086-232 Placard, Max Load		Manufactured	No			110	Each	7.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST112				7					
					56980			7					
D350-607-411 Quick Release Basket Mounting Installation		Manufactured	No			110	Each	0.0000	1	1			
D3911-041 Basket Installation Stud Assembly, Lower		Manufactured	No			110	Each	5.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				st507				5					
					59206			1					
					65163			4					
D3911-043 Aft Eyebolt Receiver Assembly		Manufactured	No			110	Each	3.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				st507				3					
					59207			1					
					65606			2					

56980
B65602 11/19/10
59206
59207

11/2/11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 65931

Parent Item: D350-607-445

Parent Item Name: Heli-Utility-Basket

Start Date: 1/28/2011

Required Date: 2/14/2011

Start Qty: 1.00

Required Qty: 1.00

D3912-041

Manufactured No

110

Each

1.0000

Eyebolt Receiver Assembly

Location

Loc Qty

Loc Code

st507

1

65603

1

D4032-041

Manufactured No

110

Each

0.0000

Short Basket Assembly (350)

D4085-1

Manufactured No

110

Each

7.0000

Placard, Instructions

Location

Loc Qty

Loc Code

ST112

7

64304

7

AN4-13A

Purchased No

110

Each

383.0000

Bolt

Location

Loc Qty

Loc Code

ST357

383

116191

7

116669

376

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 65931

Parent Item: D350-607-445

Parent Item Name: Heli-Utility-Basket

Start Date: 1/28/2011

Required Date: 2/14/2011

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

4,209.000

6

6



Nut

Location

Loc Qty

Loc Code

ST300

4209

1123143

2

115589

10

115621

21

116188

3500

116548

676

NAS1149F0432P

Purchased

No

110

Each

94.0000

12

12



Washer

Location

Loc Qty

Loc Code

ST275

94

112940

92

114405

1

116169

1

M116048

M116237

11/2/7 ①

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-607-441 (Standard Basket)	78.0 lb 35.4 kg	± 47.8 in ± 1.21 m	± 3728 in-lb ± 42.8 m-kg	135 in 3.43 m	10530 in-lb 121.4 m-kg
D350-607-443 (Lightweight Basket)	63.0 lb 28.6 kg	± 47.8 in ± 1.21 m	± 3011 in-lb ± 34.6 m-kg	135 in 3.43 m	8505 in-lb 98.1 m-kg
D350-607-445 (Standard Basket)	56.0 lb 25.4 kg	± 47.8 in ± 1.21 m	± 2677 in-lb ± 30.7 m-kg	135 in 3.43 m	7560 in-lb 87.1 m-kg
D350-607-447 (Lightweight Basket)	45.0 lb 20.4 kg	± 47.8 in ± 1.21 m	± 2151 in-lb ± 24.7 m-kg	135 in 3.43 m	6075 in-lb 70.0 m-kg
D350-607-411 (Quick Release Basket Mounting Kit)	5.9 lb 2.7 kg	± 36.5 in ± 0.93 m	± 215 in-lb ± 2.5 m-kg	135 in 3.43 m	796 in-lb 9.3 m-kg

5.0 PARTS LIST

QTY -441	QTY -443	QTY -445	QTY -447	QTY -411	QTY -401	PART NUMBER	DESCRIPTION
X						D350-607-441	HELI-UTILITY-BASKET
	X					D350-607-443	HELI-UTILITY-BASKET
		X				D350-607-445	HELI-UTILITY-BASKET
			X			D350-607-447	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-411	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-401	CONVERSION KIT
				1	1	D3908-041	AFT X-TUBE LUG ASSY
				1	1	D3909-041	FWD X-TUBE LUG ASSY
				4	4	D3910-3	X-TUBE LUG
1	1	1	1		1	D3911-041	BASKET INSTL STUD ASSY (LOWER)
1	1	1	1		1	D3911-043	AFT EYEBOLT RECEIVER ASSY
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1	1	1	1		1	D4085-1	PLACARD-INSTRUCTIONS
1					1	D4086-210	PLACARD, MAX LOAD
	1				1	D4086-220	PLACARD, MAX LOAD
		1			1	D4086-232	PLACARD, MAX LOAD
			1		1	D4086-243	PLACARD, MAX LOAD
6	6	6	6		6	AN4-13A	BOLT
				16	16	AN4-14A	BOLT
6	6	6	6	16	22	MS21042L4	NUT (OR MS21042-4)
12	12	12	12	32	44	NAS1149F0432P	WASHER

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Revision: C
Date: 10.07.26

REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-607-2 REV. C,
INSTALLATION INSTRUCTIONS D350-607-3 REV. A AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REV. 3

REF TCCA STC SH94-14
REF FAA STC SR00213NY
REF EASA STC EASA.IM.R.S.01405

1.0 PUPOSE

IT HAS COME TO DART'S ATTENTION THAT THE D4086-XXX PLACARD AND D2728-3 LABEL PEEL OFF FROM D3914-041 AND D4018-041 BASKET LIDS IN SERVICE. THIS HAS BEEN ADDRESSED FOR D350-607-441/-445/-541/-545 BASKETS AT CHG 003. CUSTOMERS WITH EARLIER CHANGE NUMBER BASKETS CAN PROCURE DSI-9535-01X KIT FROM DART PER SECTION 3.0 PARTS LIST OF THIS SERVICE INSTRUCTION AND INSTALL PER THE INSTRUCTIONS BELOW.

2.0 INSTRUCTIONS

- 2.0.1 LOCATE D4289-041 ON EXISTING LABEL PLATE PER FIGURE 1 OF THIS SERVICE INSTRUCTION.
- 2.0.2 DRILL QTY(4) Ø0.129" HOLES THRU D4289-041, EXISTING LABEL PLATE AND LID STRUCTURE. DEBURR. ENSURE MINIMUM EDGE DISTANCE OF 0.192". ENSURE HOLES DO NOT ALIGN WITH LID MESH. IF REQUIRED, LOCATE THE HOLE FURTHER AWAY FROM D4289-041 EDGES TO AVOID DRILLING THROUGH LID MESH.
- 2.0.3 INSTALL D4289-041 ON EXISTING LABEL PLATE BY APPLYING A THIN LAYER OF PROSEAL 890 BETWEEN THE MATING SURFACES AND SECURE D4289-041 USING CR3213-4-0X RIVETS AS SHOWN IN FIGURE 1 OF THIS SERVICE INSTRUCTION.
- 2.0.4 INSTALL NEW D4086-XXX PLACARD ON D4289-041 LABEL PLATE PER FIGURE 1 OF THIS SERVICE INSTRUCTION.

3.0 PARTS LIST

QTY -011	QTY -013	QTY -015	QTY -017	PART NUMBER	DESCRIPTION
X				DSI-9535-011	LABEL PLATE KIT, FOR -441 BASKET
	X			DSI-9535-013	LABEL PLATE KIT, FOR -445 BASKET
		X		DSI-9535-015	LABEL PLATE KIT, FOR -541 BASKET
			X	DSI-9535-017	LABEL PLATE KIT, FOR -545 BASKET
		1		D4086-200	PLACARD, MAX LOAD
1				D4086-210	PLACARD, MAX LOAD
			1	D4086-220	PLACARD, MAX LOAD
	1			D4086-232	PLACARD, MAX LOAD
1	1	1	1	D4289-041	LABEL PLATE
2	2	2	2	CR3213-4-02	RIVET
2	2	2	2	CR3213-4-03	RIVET

4.0 WEIGHT AND BALANCE

THERE IS A NEGLIGIBLE WEIGHT CHANGE ASSOCIATED WITH THE INSTALLATION OF DSI-9535-01X.

5.0 MAINTENANCE

MAINTAIN PER ICA-D350-607.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: NOV. 01, 2010
CERT. NO.: SH94-14
ISSUE NO.: 5

A	NEW ISSUE	MB	10.11.01
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9535	SHEET 1 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	LABEL PLATE ADDITION	NTS
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